

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1920	362/545,547,235,240,244,246. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/31 09:30
S2	665	S1 and (light adj emitting adj diode or "smd")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 12:31
S3	90	S2 and fresnel near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 12:49
S4	92	S2 and (fresnel or lenticul\$3) near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/19 13:46
S5	14	"5947587"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 13:05
S6	2	"6616299"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 13:41
S7	10877	"1" and base near2 plate near5 metal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/19 13:47
S8	167	"s1" and base near2 plate near5 metal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/19 13:51
S9	0	S8 and fresnel near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/19 13:48
S10	1922	362/545,547,235,240,244,246. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/19 13:51
S11	4	S10 and base near2 plate near5 metal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/19 15:43

## EAST Search History

S12	20	"6283613"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/19 15:50
S13	152	362/235 and 362/244	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/19 15:51
S14	6	("4684919"   "4965876"   "5006971"   "5388035"   "5567036"   "5580156").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/19 16:04
S15	97	"4733335"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/19 16:05
S16	6	(("4733335") or ("5062027") or ("5050051")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/19 16:07
S17	2	("4384271").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/19 16:16
S18	2	("6616299").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/19 16:16
S19	6	("2191278"   "5062027"   "5323302"   "5947587"   "6352359").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/19 16:17
S20	361	condenser near4 convex near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/20 10:17
S21	51	S20 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/20 10:37
S22	13	S21 and (light adj emitting adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/20 10:19
S23	1	S21 and optical near3 signal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/20 10:37

## EAST Search History

S24	3110	362/545,547,235,240,244,294. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/22 10:07
S25	20	S24 and metal near core	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/22 10:08
S26	10	S24 and metal near core and heat near sink	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:08
S27	119	S24 and (two near2 parallel) or (two near2 seires)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/22 10:17
S28	16	S27 and heat near2 sink	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/22 10:17
S29	22	362/235 and 362/336	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:17
S30	5	("4729076"   "5174649"   "5343330"   "5833355"   "6257742").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:11
S31	8	("2477957"   "3502858"   "4325146"   "4419716"   "4471415"   "4598347").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 16:14
S32	6965	"smt" or (surface adj mounted adj diode) and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:19
S33	47	S32 and (condenser or fresnel) near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:26
S34	34	((plate or base) and (light adj emitting adj diode) and condenser).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:52
S35	12939	(traffic or optical) near2 signal and light adj emitting adj diode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:53

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S36	580	S35 and (condenser or fresnel) near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:57
S37	0	S36 and surface adj mounted adj die	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:59
S38	7	S36 and "smt"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/14 16:59
S39	37	("3739241"   "3920495"   "4125777"   "4257061"   "4267559"   "4394600"   "4729076"   "4911519"   "4996586"   "5032898"   "5060027"   "5113232"   "5136205"   "5173839"   "5181874"   "5235347"   "5291039"   "5434750"   "5629232"   "5629389"   "5656823"   "5680008"   "5753928"   "5777433"   "5785418"   "5789772"   "5841177"   "5869883"   "5885475"   "5929557"   "5940683"   "5945217"   "5952680"   "5958100"   "5959316"   "5966393"   "6084252").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 17:17
S40	635	362/545	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/14 17:17
S41	2	"6637676"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/15 17:56
S42	19	("3104815"   "3845291"   "4130120"   "4564889"   "4616298"   "4749126"   "4998673"   "5171429"   "5207499"   "5539624"   "5552973"   "5823431"   "5873647"   "5918809"   "6021960"   "6126290"   "6375342"   "6484952").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/15 17:56
S43	16	"5947587"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/31 09:30

## EAST Search History

S44	6	("4684919"   "4965876"   "5006971"   "5388035"   "5567036"   "5580156").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 09:32
S45	8055	"smt" or surface adj mounted adj diode and "362"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 09:36
S46	8089	"smt" or (surface adj mounted adj diode)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 09:33
S47	87	S46 and "362"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/31 09:34
S48	4	S47 and condenser adj lens	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/31 09:35
S49	8089	"smt" or (surface adj mounted adj diode) or semiconductor near4 base adj plate and "362"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 09:37
S50	8654	"smt" or (surface adj mounted adj diode) or (semiconductor near4 base adj plate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 09:37
S51	8919	"smt" or (surface adj mounted adj chip) or (semiconductor near4 base adj plate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 09:37
S52	8785	"smt" or (surface adj mounted adj chip) or (chip near4 base adj plate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 09:38
S53	96	S52 and signal adj light	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 09:38
S54	5	("5546496"   "5633629"   "5833355"   "5850126"   "6244727").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 10:07
S55	14	shingo.as.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 10:08
S56	963	shingo.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/31 10:08

## EAST Search History

S57	0	S56 and signa1 near optical near transmi\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/31 10:09
S58	0	S56 and "362"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/31 10:09
S59	1	S56 and "340"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/31 10:10
S60	7	S56 and "359"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/31 10:11
S61	0	S56 and "345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/31 10:10